

Microinverter LS250 (Single-Input) Specification

INPUT DATA [DC]	LS250	LS250-AU	LS250-EU	LS250-NA
Recommended PV module power (STC)	230 – 300W			
Maximum input voltage	60V			
MPPT voltage range (Full Power)	27 – 45V			
Operating voltage range	22 – 55V			
Maximum DC short circuit current	12.2A			
Maximum input current	9.7A			
OUTPUT DATA [AC]				
Maximum continuous output power	250W			
Nominal output current	1.09A / 1.04A	1.04A	1.09A	1.04A
Nominal voltage	230V / 240V	240V	230V	240V
Nominal operating voltage range	202 – 253V (for 230V) 211 – 264V (for 240V)	205 – 265V	195.5 – 253V	211 – 264V
Nominal operating frequency	50Hz / 60Hz	50Hz	50Hz	60Hz
Power factor	>0.99			
Total harmonic distortion	<4%			
Maximum units per 18A branch	15			
EFFICIENCY				
Peak inverter efficiency	96.2%			
CEC weighted efficiency	95.5%			
Static MPPT efficiency	99.4%			
MECHANICAL DATA				
Operating ambient temp range	-40°C to 65°C			
Dimensions (W x H x D)	16.3 cm x 16.3 cm x 3.1cm (6.3" x 6.3" x 1.2")			
Protect function	Overload, short circuit, over / under voltage, high temperature			
Weight	2.0 Kg (4.4 lbs)			
Cooling	Natural convection			
Enclosure environmental rating	IP65		NEMA 4	
OTHER FEATURES				
Night time power consumption	<30mW			
Compliance	IEC 61727, IEC 62116, IEC/EN 62109–1, 62109–2, AS4777.2, AS4777.3, AS/NZ 3100, UL 1741/IEEE 1547, FCC Part 15, CAN/CSA-C22.2 NO.0-M91, 0.4-04, and 107.1-01			
Communication	Power Line Carrier			

Figure

